

In the Claims

Claims 1 – 19 (Cancelled)

20. (Previously Presented) A method for processing at least one substance in a reservoir of a microdosing device, said microdosing device being a micropipette or a microdispenser and said reservoir having an outlet being adapted for microdroplet delivery, comprising the steps of:

arranging a solid carrier material as a solid phase with a binding-active surface in the reservoir, said carrier material being held with a drive device located outside said reservoir;

collecting the substance in the reservoir by repeatedly performing the steps of uptaking a solution or suspension liquid with the substance into the reservoir, repeatedly moving the carrier material in the reservoir with said drive device and binding the substance to a surface of the carrier material and delivering the remaining liquid from the reservoir; and

uptaking an elution agent separating the bound substance from the carrier material or a reaction partner reacting with the substance in the reservoir.

Claims 21 - 22(Cancelled)

23. (Previously Presented) The method according to Claim 20, further comprising moving the carrier material, which comprises magnetic particles, with a changeable magnetic field.

24. (Previously Presented) The method according to Claim 23, wherein the changeable magnetic field is formed by simultaneous movement of permanent magnets in relation to the reservoir.

25. (Previously Presented) The method according to Claim 23 in which the changeable magnetic field is generated by electromagnets or microsuperconductors.

26. (Previously Presented) The method according to Claim 20, further comprising moving the carrier material, which comprises a carrier pad, with a mechanical actuating element.

27. (Previously Presented) The method according to Claim 20, wherein the dosing device is a microdispenser or a micropipette.

28. (Previously Presented) The method according to Claim 20, wherein processing the substance is selected from the group consisting of concentration, purification, preparation and synthetization.

29. (Previously Presented) The method according to Claim 20, wherein the volume of the reservoir is less than 500 µl.

30. (Currently Amended) A device for processing at least one substance, comprising:
a microdosing device having a reservoir in which a solid carrier material with a binding-active surface is movably arranged, the reservoir having a volume which is less than 10 µl and an outlet that delivers microdroplets in the sub-nl range, said microdosing device having a micropipette or a microdispenser; and

a drive device located outside the reservoir for holding and multiply moving for performing a repeated, aimed movement of the carrier material in the reservoir, wherein

the solid carrier material comprises magnetic particles and the drive device comprises two permanent magnets spaced apart, between which the micropipette or the microdispenser is arranged, and

spacing of the two permanent magnets is such that the magnetic particles of the micropipette or the microdispenser in a position immediately adjacent to one of the permanent magnets are essentially exposed exclusively to field forces of the one permanent magnet while they are exposed to negligible field forces of an opposite one of the permanent magnets, and that during position change of the micropipette or the microdispenser from one permanent magnet to the opposite

permanent magnet the particles, due to the effect of gravity, cannot sink far enough in the reservoir to leave a force effect range of a respective one of the permanent magnets.

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Previously Presented) The device according to Claim 30, further comprising a multitude of microdosing devices each having a reservoir, and a drive device comprising a multitude of magnet devices or carrier pads.

37. (Previously Presented) The device according to Claim 36 in which the multitude of microdosing devices comprise a row of piezoelectric microdispensers.

38. (Cancelled)